

IN THE CLAIMS:

Please amend Claims 18 to 21 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Original) An information processing apparatus for transferring data of a job formed on the basis of application data to a printer via interface means, comprising:

discriminating means for discriminating a communication environment regarding said data transfer; and

cancellation processing means for, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated by said discriminating means.

2. (Original) An apparatus according to claim 1, wherein said cancellation processing means shifts said printer to a state where the data transfer for a subsequent print job can be normally restarted.

3. (Original) An apparatus according to claim 1, further comprising cancelling method selecting means for selecting the cancelling method that is optimum to said communication environment on the basis of information which is obtained from an apparatus information database, and wherein said cancellation processing means has cancelling method switching means for switching the cancelling methods on the basis of a result of the selection by said cancelling method selecting means.

4. (Original) An apparatus according to claim 1, wherein said discriminating means comprises:

discriminating means for discriminating a type of said interface means by using said data transfer; print environment discriminating means for discriminating a print environment; and

cancelling method selecting means for selecting the cancelling method based on the discriminated type of said interface means and the discriminated print environment, and wherein said cancellation processing means executes a cancelling process on the basis of a result of the selection by said cancelling method selecting means.

5. (Original) An apparatus according to claim 1, wherein said discriminating means comprises:

interface discriminating means for discriminating a type of said interface means which is used for said data transfer or a communicating state of said interface means;

print environment discriminating means for discriminating a current set print environment; and

an apparatus information database for managing printer information for the printer on a data transfer destination side, and wherein said cancellation processing means selects the cancelling method on the basis of at least one of the discriminated type of said interface means, the discriminated communicating state of said interface means, and the discriminated print environment.

6. (Original) An apparatus according to claim 1, further comprising user interface means for displaying the plurality of cancelling methods which can be switched and selecting and instructing one of the cancelling methods, and wherein said cancellation processing means cancels said data transfer by the selected and instructed cancelling method.

7. (Original) An apparatus according to claim 1, wherein said cancelling methods include a method of transmitting a reset signal of the interface means or a method of transferring complementary data.

8. (Original) An apparatus according to claim 3, wherein said apparatus information database stores and manages information showing whether said printer has a cancelling function based on a reset signal of the interface means or not, information showing whether an initializing operation is executed upon cancellation or not when said printer has the cancelling function, or information showing a time which is needed in the case of executing the initializing operation.

9. (Original) An apparatus according to claim 6, wherein said user interface means can display a list of the current valid cancelling methods to the user and receive a selecting instruction of the user.

10. (Original) An information processing apparatus which can communicate with a printer, comprising:

forming means for forming a job including print data based on application data;

transmitting means for transmitting data of the job formed by said forming means to said printer;

obtaining means for obtaining limitation information of cancellation of said job;
and

cancellation processing means for executing a cancelling process of the job transmitted by said transmitting means by a cancelling method based on the limitation information obtained by said obtaining means.

11. (Original) An apparatus according to claim 10, wherein a type of interface is included in said limitation information and said cancellation processing means executes the cancelling process by the cancelling method based on the type of said interface obtained by said obtaining means.

12. (Original) An apparatus according to claim 11, wherein a print environment is included in said limitation information and said cancellation processing means executes the cancelling process by the cancelling method based on the print environment obtained by said obtaining means and the type of said interface.

13. (Original) An apparatus according to claim 11, wherein printer information is included in said limitation information and said cancellation processing means executes the cancelling process by the cancelling method based on said printer information and the type of said interface.

14. (Original) An apparatus according to claim 10, wherein printer information is included in said limitation information and said cancellation processing means executes the cancelling process by the cancelling method based on said printer information obtained by said obtaining means.

15. (Original) An apparatus according to claim 10, wherein said cancelling method corresponds to a resetting method and a reset by a reset signal and a reset by a transfer of complementary data are included in said resetting method.

16. (Original) A job processing method in an information processing apparatus having transmitting means for transferring data of a job formed on the basis of application data to a printer via interface means, comprising:

a discriminating step of discriminating a communication environment regarding said data transfer; and

a cancellation processing step of, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated in said discriminating step.

17. (Original) A job processing method in an information processing apparatus which can communicate with a printer, comprising:

a forming step of forming a job including print data based on application data;

a transmitting step of transmitting data of the job formed in said forming step to said printer; an obtaining step of obtaining limitation information of cancellation of said job; and

a cancellation processing step of executing a cancelling process of the job transmitted in said transmitting step by a cancelling method based on the limitation information obtained in said obtaining step.

18. (Currently amended) A computer-executable program stored on a computer-readable storage medium which is executed in an information processing apparatus having transmitting means for transferring data of a job formed on the basis of application data to a printer via interface means, comprising:

a discriminating step of discriminating a communication environment regarding said data transfer; and

a cancellation processing step of, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated in said discriminating step.

19. (Currently amended) A computer-executable program stored on a computer-readable storage medium which is executed in an information processing apparatus which can communicate with a printer, comprising:

a forming step of forming a job including print data based on application data;

a transmitting step of transmitting data of the job formed in said forming step to said printer; an obtaining step of obtaining limitation information of cancellation of said job; and

a cancellation processing step of executing a cancelling process of the job transmitted in said transmitting step by a cancelling method based on the limitation information obtained in said obtaining step.

20. (Currently amended) A computer-readable storage memory medium storing ~~in which a~~ computer-executable program for executing a job processing method in an information processing apparatus having transmitting means for transferring data of a job formed on the basis of application data to a printer via interface means ~~has been stored in a~~ computer-readable form, wherein said program comprises:

a discriminating step of discriminating a communication environment regarding said data transfer; and

a cancellation processing step of, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated in said discriminating step.

21. (Currently amended) A computer-readable storage memory medium storing ~~in which a~~ computer-executable program for executing a job processing method in an information processing apparatus which can communicate with a printer ~~has been stored in a~~ computer-readable form, wherein said program comprises:

a forming step of forming a job including print data based on application data;

a transmitting step of transmitting data of the job formed in said forming step to said printer;

an obtaining step of obtaining limitation information of cancellation of said job;
and

a cancellation processing step of executing a cancelling process of the job
transmitted in said transmitting step by a cancelling method based on the limitation information
obtained in said obtaining step.